

LINCOLN parish police jury

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P. O. BOX 979

RUSTON, LOUISIANA 71273-0979

MAIN FILE

19444

September 25, 2006

Mr. Lenny Young, Administrator
Water and Waste Permits Division
LA Department of Environmental Quality
P.O. Box 4313
Baton Rouge, LA 70821-4313

original to TOSW
copy to SW/GI/Tounsel
Aug

Dear Mr. Young:

Enclosed are six (6) updated final copies of the Lincoln Parish Construction/Demolition Debris Permit Application. All previously accepted revisions have been incorporated into the originally submitted application. Should additional information be required, please advise.

Sincerely yours,

Dennis E. Woodward
Parish Administrator/Engineer

Cc: Bob Myers
Riley Company
Post Office Box 1303
Ruston, LA 71273-1303

Ms. Beth Scardina
Environmental Scientist Manager
LA Department of Environmental Quality
Post Office Box 4313
Baton Rouge, LA 70821-4313

DEQ - CES
2006 SEP 28 PM 2:46

**LINCOLN PARISH
CONSTRUCTION / DEMOLITION
DEBRIS LANDFILL APPLICATION**

**TYPE III FACILITY
AGENCY INTEREST NO. 19444
SIGHT IDENTIFICATION NO. TPD-061-0099
PERMIT ACTIVITY NO. PER19980002**

**FOR
LINCOLN PARISH POLICE JURY**

ORIGINALLY SUBMITTED: JUNE, 1994

REVISED: SEPTEMBER, 2006

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**LINCOLN PARISH SANITARY LANDFILL
C/D DEBRIS TYPE III PERMIT**

I. LAC 33:VII.519 SOLID WASTE STANDARD PERMIT APPLICATION - PART I
(The form shall be completed in accordance with the instructions found in LAC 33:VII.513.A.1)

A. Applicant (Permit Holder) Lincoln Parish Police Jury

B. Facility Name: Lincoln Parish Construction/Demolition Debris Landfill

C. Facility Location/Description: Lincoln Parish Road No. 503 (Arkansas Plant Road)

D. Location: Section 20 Township 19N Range 2W
Parish Lincoln

Coordinates: Latitude - Degrees 32 Minutes 36 Seconds 55

Longitude - Degrees 92 Minutes 35 Seconds 45

E. Mailing Address: P.O. Box 979, Ruston, La. 71273-0979

F. Contact: Dennis Woodward

G. Telephone: (318) 513-6200

H. Type and Purpose of Operation: (check each applicable line)

Type I

Industrial Landfill _____
Industrial Surface Impoundment _____
Industrial Landfarm _____

Type I-A

Industrial Incinerator Waste Handling Facility _____
Industrial Shredder/Compactor/Baler _____
Industrial Transfer Station _____

Type II

Sanitary Landfill _____
Residential/Commercial Surface Impoundment _____
Residential/Commercial Landfarm _____

Type II-A

Residential/Commercial Incinerator Waste Handling Facility__
 Residential/Commercial Shredder/Compactor/Baler__
 Residential/Commercial Transfer Station__
 Residential/Commercial Refuse-Derived Fuel__

Type III

Construction/Demolition-Debris Landfill XX
 Woodwaste Landfill XX
 Compost Facility_____
 Resource Recovery/Recycling Facility_____

Other

Describe_____

I. Site Status: Owned XX Leased_____ Lease Term_____ Years

(Note: If leased, provide copy of lease agreement)

J. Operation Status: Existing XX Proposed _____

K. Total Acreage 160 Processing Acreage N/A Disposal Acreage 8

L. Environmental Permits: (List)

LWDPS - applied for 6/6/94

NPDES - applied for 6/6/94

M. Conformity with regional plans. Attach letter from the Louisiana Resource Recovery and Development Authority (LRRDA) stating that the facility is an acceptable part of the state-wide program.

See Figure 1.

(Note: In accordance with R.S. 30:2307.B, LRRDA authority does not apply to solid waste disposal activity occurring entirely within the boundaries of a plant, industry, or business which generates such solid waste.)



State of Louisiana
Department of Environmental Quality



Edwin W. Edwards
Governor

May 6, 1994

William A. Kucharski
Secretary

Mr. Richard I. Durrett
Parish Administrator
Lincoln Parish Police Jury
Post Office Box 979
Ruston, Louisiana 71273-0979

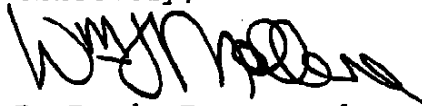
Re: Type III Facility Permit
Lincoln Parish Sanitary Landfill
Construction/Demolition Debris Site
TPD-061-0099/OU-0166
Log Number SP-O-94-0033
Lincoln Parish

Dear Mr. Durrett:

The above-referenced facility does not conflict with any plans or proposed facilities of the Louisiana Resource Recovery and Development Authority (LRRDA), as of this date.

If you have any questions concerning this matter, please contact me at (318) 898-4206.

Sincerely,


for R. Brady Broussard
Chairman, LRRDA

RBB:JCR:sb

OFFICE OF SOLID AND HAZARDOUS WASTE SOLID WASTE DIVISION P.O. BOX 82178 BATON ROUGE, LOUISIANA 70884-2178

TELEPHONE (504) 765-0249 FAX (504) 765-0299

AN EQUAL OPPORTUNITY EMPLOYER



FIGURE 1:
LRRDA LETTER

N. Zoned: Yes _____ No _____ Zoning Requested

Zone Classification Rural Lincoln Parish does not have a zoning ordinance.

(Note: If zoned, include zoning affidavit and/or other documentation stating that the proposed use does not violate existing land-use requirements.)

O. Types, Quantities, and Sources of Waste:

	PROCESSING		DISPOSAL	
	On-Site	Off-Site	On-Site	Off-Site
Residential			Woodwaste/ Yardwaste 27.5 Tons/Week 100% Off-Site Generated Waste	
Industrial				
Commercial			C/D Debris 45 Tons/Week 100% Off-Site Generated Waste	
Other				

P. Service Area:

List of Parishes: Lincoln

Statewide

Unlimited

Q. Proof of Operator's Public Notice - Attach Proof of Publication of the Notice regarding the permit application submittal as required by LAC 33:VII.513.A.

See Proof of Publications in Figures 2-A and 2-B.

CAPITAL CITY PRESS

Publisher of

THE ADVOCATE**PROOF OF PUBLICATION****PUBLIC NOTICE**

Notice is hereby give that Lincoln Parish Police Jury does intend to submit to the Department of Environmental Quality, Office of Solid and Hazardous Waste, Solid Waste Division, an application for a permit to operate a Type III Construction/Demolition Debris Landfill in Lincoln Parish, Range 2 West, Township 19 North, Section 20, which is approximately 6 miles northeast of the City of Ruston, Louisiana off of Louisiana Highway 33.

Comments concerning the facility may be filed with the Secretary of the Louisiana Department of Environmental Quality at the following address:

Louisiana Department of Environmental Quality
Office of Solid and Hazardous Waste
Solid Waste Division
Permit Section
Post Office Box 82178
Baton Rouge, Louisiana 70884-2178

19816-apr 28-11

The hereto attached notice was published in **THE ADVOCATE**, a daily newspaper of general circulation, published in Baton Rouge, Louisiana, and the Official Journal of the State of Louisiana, the City of Baton Rouge and the Parish of East Baton Rouge, in the issues of:

APRIL 28, 1994

Dicki Thompson
Advertising Representative

Sworn and subscribed before me by the person
whose signature appears above in Baton
Rouge, La. on this

28 day of APRIL 19 94 AD.

[Signature]
Notary Public

My Commission Expires:

Indefinite

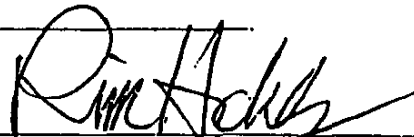
19816/491239
PERMIT APPLICATION

PROOF OF PUBLICATION

STATE OF LOUISIANA

PARISH OF LINCOLN

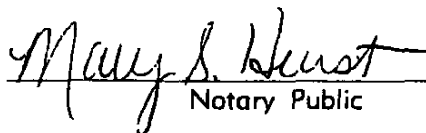
BEFORE ME, the undersigned legal authority, appeared Rick Hohlt
a resident of Lincoln Parish, La., who being duly sworn, says that he is publisher of The
Ruston Daily Leader a newspaper published daily except
Saturdays in the City of Ruston, Lincoln Parish, Louisiana; that Public Notice for the Lincoln Parish Police Jury that they do intend
to submit to the Department of Environmental Quality a permit to operate
a Type-III Construction/Demolition Debris Landfill in Lincoln Parish,
Range 2 West, Township 19 North, Section 20, 6 miles NE of Ruston.
has been duly published in said newspaper according to law, appearing in the issues of
April 27, 1994



SWORN TO AND SUBSCRIBED

before me this 26th

day of May 19 94


Notary Public

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withdrawn for a period of thirty (30) days after receipt of bids, except under the provisions of LA. R.S. 38:2214.

The Owner reserves the right to reject any all bids for just cause. In accordance with La. R. S. 38:2212 (A) (1) (b), the provisions and requirements of this Section, those stated in the advertisement for bids, and those required on the bid form shall not be considered as informalities and shall not be waived by any public entity.

When this project is financed either partially or entirely with State Bonds, the award of this Contract is contingent upon sale of bonds by the State Bond Commission. The State shall incur no obligation to the Contractor if fully executed.

**STATE OF LOUISIANA
DIVISION OF ADMINISTRATION
FACILITY PLANNING AND CONTROL**

ROGER MAGENDIE-DIRECTOR
3rd: April 13, 20, 27, 1994

**LEGAL NOTICE
NOTIFICATION OF Rural Development Administration's Finding of No Practicable Alternative to a Flood plain Impact**

The U.S. Department of Agriculture Rural Development Administration (RDA) whose programs are administered at the State and local level by Farmers Home Administration (FmHA) has received a preapplication for financial assistance from the Tremont Water System, Inc. State of Louisiana. The specific

any additional structures not existing as of the date of this notice and which locate in those floodplain areas served by this water system.

No service will be provided in areas designated as Wetlands.

The actions will conform to applicable floodplain protection standards.

RDA has determined that with the mitigation measures to be used this proposed action will not significantly affect the quality of the human environment. Therefore, RDA will not prepare an environmental impact statement for the proposed action.

Any written comments regarding this determination should be provided within fifteen (15) days of this publication to Theodore Panchalk, Chief of Community and Business Programs, Robert Harris, Assistant District Director, Farmers Home Administration, 822 Rush Street, Office 3, Coushatta, Louisiana 71010, telephone number (318) 832-4053. Request to review the RDA environment assessment upon which this determination is based or to receive a copy of it should be directed to the above address.

A general location map of the proposed action is available for public review in the FmHA District Office listed above.

Other participating agencies in this project are none.

3rd: April 27, 28, 29, 1994

**ADVERTISEMENT
FOR BIDS**
Project No. LCDBG 101-4031
Village of Choudrant (herein re-

PUBLIC NOTICE

Notice is hereby given that Lincoln Parish Jury does intend to submit to the Department of Environmental Quality, Office of Solid and Hazardous Waste, Solid Waste Division, and application for a permit to operate a Type III Construction/Demolition Debris Landfill in Lincoln Parish, Range 2 West, Township 19 North, Section 20, which is approximately 6 miles northeast of the City of Ruston, Louisiana off of Louisiana Highway 33.

Comments concerning the facility may be filed with the Secretary of the Louisiana Department of Environmental Quality at the following address:

**Louisiana Department of Environmental Quality
Office of Solid and Hazardous Waste
Solid Waste Division
Permit Section
Post Office Box 82178
Baton Rouge, Louisiana 70884-2178**

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BUSINESS AND SERVICE DIRECT

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---	--	---	---	--

R. Certification: I have personally examined and am familiar with the information submitted in the attached document, and I hereby certify under penalty of law that this information is true, accurate, and complete to the best of my knowledge. I am aware that there are significant penalties for submitting false information, including the possibility of fine and/or imprisonment.

Signature 

Date 9-21-05

Typed Name and Title Richard I. Durrett, Parish Administrator

Note: Attach proof of the legal authority of the signee to sign for the applicant.) (See Figure 3 for Proof of Authority of Signatory.)


Resolution 2005-42

NOW, THEREFORE, BE IT RESOLVED that the Lincoln Parish Police Jury convened in Regular Session this 9th day of August, 2005 does hereby authorize the Parish Administrator/Engineer, Richard I. Durrett, to sign all documents in association with Department of Environmental Quality Solid Waste Construction and Demolition Debris Permit Application.

I, RICHARD I. DURRETT, Parish Administrator, Lincoln Parish Police Jury, do hereby certify that the above and foregoing is a true and correct copy of a Resolution adopted by the Police Jury of Lincoln Parish, Louisiana, convened in regular session on the 9th day of August, 2005 at which meeting a quorum was present.

And this resolution was declared adopted on this, the 9th day of August, 2005.

GIVEN UNDER MY OFFICIAL Signature and Seal of Office this 9th August,
2005


/s/ RICHARD I. DURRETT
ADMINISTRATOR/ENGINEER
LINCOLN PARISH POLICE JURY

Media Type (check one)


Hazardous Waste ☐ Air ☐
 Solid Waste ☒ Water ☐
 Radiation Licensing ☐

Agency Interest Number: 19444

Is this a copy of a previously submitted form? Yes ☐ No ☒

If yes, indicate the original submittal date: _____

If yes, indicate the original permit number: _____

Department of Environmental Quality Permits Division P.O. Box 4313 Baton Rouge, LA 70821-4313 (225) 219-3181		Addendum to Permit Applications per LAC 33:I.1701			
Please Type Or Print	Company Name		<input checked="" type="checkbox"/> Owner	For Permits Division Use Only	
	Lincoln Parish Police Jury		<input checked="" type="checkbox"/> Operator		
	Parent Company (if Company Name given above is a division)				
	Plant name (if any) Lincoln Parish C&D Debris Landfill				
	Nearest town Ruston	Parish where located Lincoln			

1. Does the company or owner have federal or state environmental permits identical to, or of a similar nature to, the permit for which you are applying in other states? (This requirement applies to all individuals, partnerships, corporations, or other entities who own a controlling interest of 50% or more in your company, or who participate in the environmental management of the facility for an entity applying for the permit or an ownership interest in the permit.)

☐ Permits in Louisiana. List Permit Numbers: None

☐ Permits in other states (list states): None

2. Do you owe any outstanding fees or final penalties to the Department? No ☒ Yes ☐

If yes, please explain. _____

3. Is your company a corporation or limited liability company? No ☒ Yes ☐ If yes, attach a copy of your company's Certificate of Registration and/or Certificate of Good Standing from the Secretary of State.

Certification:

I certify, under provisions in Louisiana and United States law which provide criminal penalties for false statements, that based on information and belief formed after reasonable inquiry, the statements and information contained in this Addendum to the Permit Application, including all attachments thereto are true, accurate, and complete.

Responsible Official

Name	Dennis Woodward
Title	Parish Administrator
Company	Lincoln Parish Police Jury
Suite, mail drop, or division	
Street or P.O. Box	P.O. Box 979

City	State	Zip
Ruston	LA	71273
Business phone (318) 513-6200		
Signature of responsible official(s) <i>Dennis Woodward</i>		
Date 9-25-06		

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Addendum to Permit Applications per LAC 33:I.1701

Introduction

This Addendum to Permit Applications provides information to the Permits Division which is used to comply with the requirements of LAC 33:I.1701 – Requirements for Obtaining a Permit. Authority to ask for this information is contained in the Louisiana Administrative Code, Title 33. Copies of this law are available from the Regulation Development Section of the Office of Environmental Assessment, or on the Internet at:

<http://www.ldeq.org/planning/regs/title33/index.htm>

Who Should Submit an Addendum to Permit Applications?

The Addendum to Permit Applications should be submitted for any permit application submitted for a new source and for all permit actions, including renewals and changes of ownership. Air permit modification requests are exempt from this requirement unless they include, or are limited to, a change of ownership.

What If I Previously Sent an Addendum to Permit Applications to DEQ?

You must submit this addendum with each permit application, as stated above. It is acceptable to submit a copy of a previously submitted form, if the original signature date is not more than twelve months old. Indicate the original submittal date and the permit number for which it was previously submitted. Please review the information to ensure that it is still correct.

What You Should Submit and What You Should Keep

Route the original and two photocopies to this agency. For Part 70 Air Permit applications, a copy should be submitted directly to EPA's Dallas office – EPA Region 6 (6PD-R), 1445 Ross Avenue, Suite. 1200, Dallas TX 75202-2733.

Acceptable Answers

"NA" is not an acceptable answer. If a particular section does not apply to you, explain why. Please attach additional sheets for the required information. The Department may require the submission of additional information if it deems such information necessary.

General

Do not write information in the top or left side margin of this form as file folder bindings may cover the information.

Step-by-Step Instructions

1 Media Type

Indicate whether this is for a Solid Waste, Air, Water, Hazardous Waste or Radiation Licensing application.

2 Agency Interest Number

If blank, type or print the Agency Interest Number in the space provided at the top of each page (if known); otherwise, leave blank.

3 Indicate if Copy of Previously Submitted Form

Indicate whether or not this is a copy of a previously submitted form. If yes, indicate the original submittal date and the permit number for which it was previously submitted. You may not submit a copy which has an original signature date that is more than twelve months old.

4 Company Name, Parent Company, Plant Name and Location

If blank, type or print the name of the company, the name of its parent, the name of the plant, if any, the parish where the plant is located, and the closest town in the same parish as the facility. Check the appropriate box to indicate if the permittee is the owner or operator of the facility.

5 List of States With Similar Actions

Please provide a list of the states where you, as applicant, have federal or state environmental permits identical to, or of a similar nature to, the permit for which you are applying.

6 Outstanding Fees

Do you owe any outstanding fees or final penalties to the Department? If so, please explain.

7 Registration with Secretary of State

If your company is a corporation or a limited liability company, please provide proof of registration with the Secretary of State.

8 Responsible Official

Enter the name, address, and phone number of the responsible company official. Part 70 sources must meet the requirements of LAC 33.III.502 regarding the Responsible Official.

9 Certification by Responsible Official

An authorized company agent should sign and date the form confirming its accuracy and completeness.

II. LAC 33:VII.521 Part II: Supplementary Information, All Processing and Disposal Facilities

A. Location Characteristics.

1. The following information on location characteristics is required for all facilities:

- a. Area Master Plans - a location map showing the facility, road network, major drainage systems, drainage-flow patterns, location of closest population center(s), location of the public-use airport(s) used by turbojet aircraft or piston-type aircraft, proof of notification of affected airport and Federal Aviation Administration as provided in LAC 33:VII.709.A.2, location of 100-year flood plain, and other pertinent information. The scale of the maps and drawings must be legible, and engineering drawings are required.

Answer: See Appendix F: Vicinity Map, Figure F-1; Site Plan, Figure F-2; and Flood Plain Map, Figure F-3. The facility is located approximately 5 miles from the Ruston Airport. Notification of the local airport and the Federal Aviation Administration is not required for this Type III permit.

- b. A letter from the appropriate agency or agencies regarding those facilities receiving waste generated off-site, stating that the facility will not have a significant adverse impact on the traffic flow of area roadways and that the construction, maintenance, or proposed upgrading of such roads is adequate to withstand the weight of the vehicles.

Answer: The roadways in the area of this facility will not receive a significant increase in traffic flow. The location of this facility is the same as the existing facility which is currently receiving construction debris under an interim permit. A copy of the reply letter from the Louisiana Department of Transportation and Development is in Appendix A as Figure A-1.

- c. Existing Land Use - a description of the total existing land use within three miles of the facility (by approximate percentage) including, but not limited to:
 - i. residential;
 - ii. health-care facilities and schools;

- iii. agricultural;
- iv. industrial and manufacturing;
- v. other commercial;
- vi. recreational; and
- vii. undeveloped.

Answer: See Table 1 for a description and approximate percentage of the land use within three miles of the facility:

TABLE 1 - EXISTING LAND USE

DESCRIPTION	PERCENTAGE OF TOTAL AREA
Residential	5.2
Health-Care and Schools	---
Agriculture	9.1
Industrial and Manufacturing	0.3
Other Commercial	0.1
Recreational	1.6
Undeveloped	83.7

- d. Aerial Photograph-a current aerial photograph, representative of current land use, of a one-mile radius surrounding the facility. The aerial photograph shall be of sufficient scale to depict all pertinent features. (The administrative authority may waive the requirement for an aerial photograph for Type III facilities.)

Answer: A request for waiver of the aerial photograph has been approved by the administrative authority, see Figure A-10 in Appendix A.

- e. Environmental Characteristics-the following information on environmental characteristics:
 - i. a list of all known historic sites, recreation areas, archaeologic sites, designated wildlife-management areas, swamps and marshes, wetlands, habitats for endangered species, and other sensitive ecologic areas within 1,000 feet of the facility perimeter or as otherwise appropriate;

Answer: There are no known historic sites, recreation areas, archaeological sites, designated wildlife-management areas, swamps and marshes, wetlands, habitats for endangered species, or other sensitive ecologic areas within 1000 feet of the facility perimeter.

ii. documentation from the appropriate state and federal agencies substantiating the historic sites, recreation areas, archaeological sites, designated wildlife management areas, wetlands, habitats for endangered species, and other sensitive ecologic areas within 1,000 feet of the facility; and

Answer: Letters were sent to appropriate agencies requesting documentation as stated above. Replies were received from some agencies. It is assumed that the agencies not replying have no objection to the location of this C/D site. Copies of the replies or letters sent to the agencies are in Appendix A, Figures A-2 through A-6.

iii. a description of the measures planned to protect the areas listed from the adverse impact of operation at the facility;

Answer: No measures are planned as there are no such areas known.

f. A wetlands demonstration, if applicable, as provided in LAC 33:VII.709.A.4.

Answer: This facility is not located in an existing wetlands area, See Figure A-6 in Appendix A.

g. Demographic Information-the estimated population density within a three-mile radius of the facility boundary, based on the latest census figures.

Answer: The 2000 Census figures recorded 1,268 total persons within a three mile radius of the C/D site. Therefore, the population density is estimated to be 44.85 people per square mile.

2. The following information regarding wells, faults and utilities is required for Type I and II facilities:

Answer: This section does not apply to this Type III permit.

- B. Facility Characteristics. A facility plan, including drawings and a narrative, describing the information required below must be provided.

1. The following information is required for all facilities:

- a. elements of the process or disposal system employed, including, as applicable, property lines, original contours shown at not greater than five-foot intervals), buildings, units of the facility, drainage, ditches and roads;

Answer: The C/D debris area will be located adjacent to the east boundary of the landfill property as shown in Appendix F, Figure F-2. Figure F-4 shows the original contours of the C/D area which is presently in operation. The trucks delivering the solid waste to be landfilled enter at the main entrance and weigh on the scales. The trucks are then directed to the C/D area. The main road is asphalt and the feeder road to the C/D site is an all-weather aggregate road. The natural drains and ditches are also shown on Figures F-2 and F-4.

The C/D debris landfill will utilize two different methods of landfilling. The C/D area originally used the Trench method to landfill. The trenches were fifty (50) feet wide with the length varying with the location of the trench. There was a ten (10) foot wide earthen barrier wall between trenches. Through experience of using the Trench method of landfilling over the past seventeen years it has been found that the side walls of the trench can be constructed vertical. The Trench method was used until the entire C/D area was filled.

Currently, the Area method will be used on top of the filled trenches. The Area method allows use of the material excavated from the trenches to be utilized as cover material. The Area method will begin on the east side of the C/D site and fill to the west to allow for surface run-off across the natural contour of the site. The maximum slope for the landfill is 3:1. There will be adequate cover material for the C/D landfill to use the maximum 3:1 slope. See Appendix D for cover quantity calculations.

- b. the perimeter barrier and other control measures;

Answer: The site is fenced on the west, north, and South property lines and along the public road right-of-way line (L.P.503) on the east side. There is only

one public entrance with a gate which is locked except during operating hours. This entrance is shown on the Site Plan in Appendix F. Access to this entrance is from Lincoln Parish Road 503. The Police Jury owns the property bordering the south property line from the landfill property. The gate is normally open only when Police Jury employees require access to the adjacent property.

During operating hours, the only facility entry point (main gate) is controlled by a scale operator who continuously monitors all site access. The main gate allows access to the Type III landfill as well as an operating pickup station located approximately 600 feet south of the Type III landfill. Within the property owned by the Police Jury, there is a separate road which routes traffic to the Type III facility. The entrance to the Type III facility has a sign that lists wastes which can be received in the Type III area. Vehicles are routed at the scales to the correct receiving area by the Scale House Attendant.

- c. a buffer zone;

Answer: A 50' buffer zone will be provided at all property boundaries in accordance with LAC 33:VII.719.B.2.

The buffer zone for the Type III facility is the east side of the landfill. No storage, processing or disposal of solid waste is allowed within the buffer zone.

- d. fire-protection and medical care measures;

Answer: The site is served by a rural waterworks district, Greater Ward One Waterworks District, via a three inch water main. On site approximately 120 feet from the scale building is a two-inch wash-down hydrant which serves as a fire truck fill-up point. Per Figure A-8 and Figure A-8a, (letter from the City of Ruston which is still in effect), the Ruston Fire Department will answer fire calls and emergency medical calls to the landfill site. The Lincoln Parish Fire Protection District No. 1 will also respond to fire calls at the landfill site (See Figure A-9 and Figure A-9a). The Scale Building has been inspected by the Office of the State Fire Marshall and is equipped with a portable fire extinguisher. The Lincoln General Hospital has procedures in place to meet the medical care needs of the landfill (See Figure A-11).

- e. landscaping and other beautification efforts;

Answer: The C/D site is an open area with timber north of the site. The property across Lincoln Parish Road No. 503 is also planted in timber. Several areas within the property have been planted with pine trees. Grass is planted as needed to help with the beautification of the landfill area.

- f. devices or methods to determine, record, and monitor incoming waste;

Answer: All vehicles which enter the site weigh on a Cardinal Scale Company scale with a ten foot wide, seventy foot long platform and a capacity of fifty tons. The scale's calibration is verified twice a year- once by the State of Louisiana and once by the scale manufacturer. The landfill attendant weighs each entering vehicle and records the entering time, date, and type of waste. Upon leaving the landfill, the time and weight of the empty vehicle is recorded and automatically printed on a scale weight ticket. For periodic or one time users, second weighing of empty vehicles will be made. For regular users, the vehicle's tare weight is used to reduce traffic problems at the landfill entrance. The scale calculator internally stores and accumulates waste types and tonnages. The weight tickets are the responsibility of the landfill clerk.

Incoming waste is first monitored upon arrival to the landfill site by the scale house attendant who is a certified operator with a Class B license. Waste is visually checked and the type of waste is recorded. At the disposal location on site, waste is again monitored by a machine operator who is a certified operator with a Class A license. Only construction debris waste generated within Lincoln Parish is permitted to be disposed at the landfill. No out-of-state waste is accepted. Any hazardous, unauthorized, or unpermitted waste found during this monitoring is not accepted at the site. The waste is removed from the site by the waste carrier.

To control entry, the site is fenced on the west, north, and south property lines and along the public road right-of-way line (L.P. 503) on the east side. There is only one public entrance with a gate which is locked except during operating hours. This entrance is shown on the Site Plan in Appendix F. Access to this entrance is from Lincoln Parish Road 503. The Police Jury owns the property bordering the south property

line from the landfill property. The gate is normally open only when Police Jury employees require access to the adjacent property.

During operating hours, the only facility entry point (main gate) is controlled by a scale operator who continuously monitors all site access.

g. NPDES discharge points (existing and proposed); and

Answer: A NPDES permit application was filed, June 3, 1994. (See Appendix B). This application shows a single discharge point into Little Colvin Creek. No other NPDES discharge points are anticipated.

h. other features, as appropriate.

Answer: No other features are to be discussed.

2. The following information is required for Type I and II facilities:

Answer: This section does not apply to this Type III permit.

C. Facility Surface Hydrology.

1. The following information regarding surface hydrology is required for all facilities:

a. a description of the method to be used to prevent surface drainage through the operating areas of the facility;

Answer: See the Existing Contours in Appendix F, Figure F-4 for location of existing drains and levees, Final Contours on Figure F-5, and the Typical Detail Sheet, Figure F-6. During landfilling using the Trench method a ditch shall be cut at the end of the trenches to divert surface drainage in the trench from running on to adjoining areas. After filling the C/D area using the Trench method, the Area method will be used. Barrier levees are to be constructed around the perimeter of the C/D landfill before filling using the Area method. These levees will be sufficiently high to prevent the runoff from the operating area on to adjoining areas or run-on from adjoining areas into the operating area. The C/D area is bound on its perimeter with natural drains which traverse the site. These drains are all sufficiently low to prevent the overflow from adjoining areas from mixing with any operating area from a 24

hour 9" rainfall. Within open areas, the typical minimum cross-section shown on the detail sheet, Figure F-6, for an open area diversion ditch is sufficient to divert flow from the operating area. Police Jury equipment will be used to maintain such interior operating area diversion ditches.

Rainwater which falls within the C/D area travels by gravity through earthen ditches (typical section on Figure F-6) to the DEQ Water Quality Discharge Permit discharge point.

- b. a description of the facility runoff/run-on collection system;

Answer: All present natural drains which do not originate on site will be left as is. As shown in Appendix F, Figure F-2, the proposed C/D area is bordered on all sides with drainage ditches which prevent runoff and run-on from entering or exiting the site from adjoining areas.

- c. the maximum rainfall from a 24-hour/25-year storm event;

Answer: According to the U.S. Weather Bureau Technical Paper No.40 the 24 hour rainfall for the 25 year return interval is 8 inches. However, in accordance with Section 719.C.3 of the Solid Waste Regulations, the design standard of 9 inches of rainfall above 31 degrees north latitude will be used.

- d. the location of aquifer recharge areas in the site or within 1,000 feet of the site perimeter, along with a description of the measures planned to protect those areas from the adverse impact of operations at the facility; and

Answer: There are no known aquifer recharge areas in the site or within 1000 feet of the site perimeter. The area's principal aquifer, the Sparta Sand, is the only fresh water aquifer, capable of yielding large quantities of fresh water. In the Ruston area, the formation is about 600 feet thick and depth to the base ranges from about 720 feet to 940 feet below land surface. The Sparta in this area is overlain by the Cook Mountain Formation which in turn is overlain by the Cockfield Formation. The Cockfield Formation generally is sand interbedded with silt, clay, and lignite, and locally may have beds of sand which yield water in amounts sufficient for small domestic supplies only.

- e. if the facility is located in a flood plain, a plan to ensure that the facility does not restrict the flow of the 100-year base flood or significantly reduce the temporary water-storage capacity of the flood plain, and documentation indicating that the design of the facility is such that the flooding does not affect the integrity of the facility or result in the washout of solid waste.

Answer: The site is not located within a flood plain. See Figure F-3, U.S. Department of Housing and Urban Development Flood Hazard Boundary Map.

D. Facility Geology.

- 1. The following information regarding geology is required for Type I and Type II facilities:

Answer: This section does not apply to this Type III permit.

- 2. The following information regarding geology is required by Type III woodwaste, and construction/demolition-debris facilities:

- a. general description of the soils provided by a qualified professional (a geotechnical engineer, soil scientist, or geologist) along with a description of the method used to determine soil characteristics; and

Answer: In general, the site's upper 2 to 10 feet of soil is a medium to very stiff red and brown sandy clay, with iron ore and sandstone at some locations. Below this, firm to dense red, brown and light gray clayey sand extends to depths of 14 to 24 feet. This clayey sand is underlaid by a dark gray material which consists of alternating layers of clay and silty sand. For a more detailed description see Appendix C, "Subsurface Exploration for Sanitary Landfill, Lincoln Parish, Louisiana" report dated March 25, 1983, by Southwestern Laboratories. Soil borings A3, A5, B5, and B6 on Figure 1 of the soils report in Appendix C are located in the area of the C/D landfill area.

A meeting was held at DEQ in Baton Rouge on October 6, 1998. Attending the meeting for DEQ were Curt Auzenne, Rob Thomas, Robert Frischhertz, and Jason Meyers. Attending for the Lincoln Parish Police Jury were Richard Durrett, Robert Turner, and Tyrone A. Riley. A

major topic of discussion at that meeting was whether lining of the C/D area was required or not.

At the meeting of October 6, 1998, the Police Jury agreed to line any virgin area with a minimum of one foot of clay material in event sands are encountered during excavation using the Trench landfilling method.

Currently, no virgin area of the C/D area exists and all landfilling is by the Area method. Cover material is natural stable soils of low permeability that meet the requirements of paragraph 719.D.1. Thus, paragraph 719.D.2 is not applicable.

To help clarify boring locations within the C/D area, Figure 1 of the Subsurface Exploration Report shows the outline of the C/D area. A review of the boring information in this area along with the discussion above should show that natural soils meet the requirements of 719.D.1.

- b. logs of all known soil borings taken on the facility and a description of the methods used to seal abandoned soil borings.

Answer: These are included in the soils report which can be found in Appendix C. Completed bore holes were grouted by Southwestern Laboratories.

E. Facility Subsurface Hydrology.

Answer: This section does not apply to this Type III permit.

F. Facility Plans and Specifications.

1. Certification-The person who prepared the permit application must provide the following certification:

"I certify under penalty of law that I have personally examined and I am familiar with the information submitted in this permit application and that the facility as described in this permit application meets the requirements of the Solid Waste Rules and Regulations. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment."

Answer: See Figure 4.

2. The following information on plans and specifications is

"I certify under penalty of law that I have personally examined and I am familiar with the information submitted in this permit application and that the facility as described in this permit application meets the requirements of the Solid Waste Rules and Regulations. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment."

THE RILEY COMPANY OF LOUISIANA, INC.

By: Robert C. Myers
Robert C. Myers, P.E.

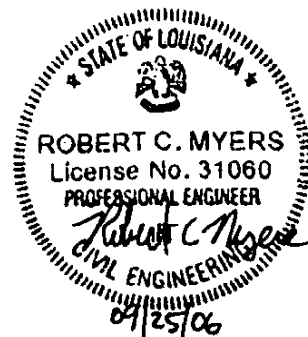


FIGURE 4 - CERTIFICATION OF PERMIT APPLICATION PREPARER

required for Type I and II facilities:

Answer: This section does not apply to this Type III permit.

3. The following information on plans and specifications is required for Type I, II, and III landfills:

a. approximate dimensions of daily fill and cover; and

Answer: A C/D landfill is required to cover the solid waste every 30 days with twelve inches of cover. It is estimated that during a 30-day period an average of 800 cubic yards of C/D debris and 1200 cubic yards of woodwaste and yardwaste will be landfilled at a compaction rate of 500 pounds per cubic yard for C/D debris and 200 pounds per cubic yard for woodwaste and yardwaste. The waste is to be compacted daily in as small an area as practicable.

Open faces for the Trench method will average 50 feet wide making an average area of 50 feet by 113 feet long to be covered every 30 days. Based upon 12 inches of cover per 30 days, average cover material used per 30 days will be approximately 210 cubic yards using the Trench method. Open faces for the Area method will average 53 feet by 100 feet. Based on the 12 inches of cover per 30 days, average cover material used per 30 days will be approximately 310 cubic yards using the Area method.

See Appendix D for a discussion on volume calculations and projections used to estimate fill and cover quantities.

b. the type of cover material and its source for daily, interim, and final cover. Calculations shall be submitted demonstrating that an adequate volume of material is available for daily, interim, and final cover.

Answer: All cover material will be soil and all of the material will come from the excavation of the trenches. The excavated material will be used to cover the solid waste in the trenches and to construct the levees. The soil leftover from the trench excavation will be stockpiled for use during landfilling using the Area method. See Appendix D, for calculations and cross section sheets showing adequate volume of cover material to operate the landfill by the Trench and Area methods until maximum slopes are obtained.

The covering of the solid waste with a minimum of 12" of silty clay soil every 30 days has historically worked at this site to prevent fly, mosquito, and other insect emergence and entrance, to prevent rodent burrowing for food and harborage and to prevent bird and animal attraction.

Leachate generation control has historically been addressed as evidenced by the operation of this facility under a DEQ Water Quality Discharge Permit. The natural soils in general minimize external-moisture infiltration and erosion. The nature of a C/D Landfill is to accept materials with minimum free-liquid content. The trench method of landfilling minimizes inward movement of atmosphere oxygen; coverage with 12" of soil will minimize inward movement of atmosphere oxygen during the area method of landfilling.

This landfill in general receives very little paper. The 12" of cover material will control blowing paper. The natural soils will in general control outward movement of methane and other gases and improve aesthetic appearance.

The Police Jury maintains heavy equipment on site to maintain all-weather access. The best verification that excavated soils meet the requirement of 721.A.2 lies in the historical operation of this landfill and the fact the DEQ inspectors have not denoted a problem with the existing cover material meeting interim cover requirements.

4. The following information on plans and specifications for the prevention of groundwater contamination must be submitted for Type I and II facilities:

Answer: This section does not apply to this Type III permit.

5. The following information on plans and specifications for groundwater monitoring must be provided for Type I and II facilities:

Answer: This section does not apply to this Type III permit.

6. The facility plans and specifications for Type I and II landfills and surface impoundments (surface impoundments with on-site closure and a potential to produce gases) must provide a gas collection and treatment or removal system.

Answer: This section does not apply to this Type III permit.

G. Facility Administrative Procedures.

1. The following information on administrative procedures is required for all facilities:

- a. recordkeeping system; types of records to be kept; and the use of records by management to control operations;

Answer: The following records are a part of the recordkeeping system at the Lincoln Parish Landfill. Examples of the forms listed below are found in Figures 5, 6, and 7.

- 1) Scale Weight Tickets
- 2) Monthly C&D Debris Tonnage
- 3) Yearly C&D Debris Tonnage

The Landfill Superintendent will monitor the data recorded by his personnel. By reviewing the type of waste recorded, the Landfill Superintendent will help assure that only permitted construction debris is being disposed of within the landfill. By reviewing the quantity of waste data recorded, the Landfill Superintendent can help plan day to day operations of the landfill. By reviewing information recorded about unpermitted waste being turned away at the site, the Landfill Superintendent can help assure that no hazardous, unpermitted, or unauthorized waste is disposed of at the landfill. Monitoring of the data will assure operating efficiency and quality of performance in all aspects control operations.

The Lincoln Parish Landfill does not allow out-of-state wastes by order of the Lincoln Parish Police Jury. The Police Jury will submit annual reports to DEQ which indicate quantity (in weighed tons/year at the landfill scales) and type of waste (as recorded by load inspection by the scale operator). The reporting period shall be from July 1 through June 30 except upon closure of the facility in accordance with the permit. Annual reports will be submitted by August 1 of each year for this Type III landfill.

Records will be maintained at the on-site administration building for life of the facility. The Police Jury will keep records in the Police Jury Office for a minimum of three years after facility closure.

The Police Jury shall maintain records of transporters which dispose at the facility which shall include date of receipt of transporter's wastes and the transporter's solid waste identification number issued by the Solid Waste Division.

**LINCOLN PARISH
SANITARY LANDFILL
SCALE WEIGHT**

RECALL I.D.

LANDFILL NO.	OPERATOR NO.	TYPE
PASSENGERS	GROSS TARE NET	CLASS VEND. I.D. TONS

FIGURE 5 - Scale Weight Ticket

LINCOLN PARISH C/D DEBRIS LANDFILL I.D. # TPD-061-0099 SOLID WASTE RECAP MONTHLY TONNAGE REPORT				
WEEK ENDING	C/D DEBRIS (05)	C/D DEBRIS (15)	C/D DEBRIS (25)	REJECTED WASTE
MONTH TOTAL				
MONTH TOTAL				

NOTE: ALL QUANTITIES ARE IN TONS

FIGURE 6 - MONTHLY TONNAGE FORM

LINCOLN PARISH C/D DEBRIS LANDFILL

I.D. # TPD-061-0099

SOLID WASTE RECAP

FISCAL YEAR - _____

MONTH	C/D DEBRIS (05)	C/D DEBRIS (15)	C/D DEBRIS (25)	REJECTED WASTE
JULY				
AUGUST				
SEPTEMBER				
OCTOBER				
NOVEMBER				
DECEMBER				
JANUARY				
FEBRUARY				
MARCH				
APRIL				
MAY				
JUNE				
YEAR TOTAL				

NOTE: ALL QUANTITIES ARE IN TONS

FIGURE 7 - YEARLY TONNAGE FORM

On-site records shall include a copy of the current Louisiana Solid Waste Rules and Regulations, a copy of the facility permit, the permit application and all permit modifications.

- b. an estimate of the minimum personnel, listed by general job classification, required to operate the facility; and

Answer: Table 2 lists the minimum personnel required to operate the facility and their responsibility.

TABLE 2 - MINIMUM PERSONNEL

PERSONNEL DESCRIPTION	RESPONSIBILITY
Landfill Superintendent	In charge of all landfill operations and daily management.
Landfill Foreman	Reports to Landfill Superintendent and is qualified to operate all landfill equipment. In the absence of the Landfill Superintendent, he is responsible for equipment operation and C/D disposal.
Operator	Qualified to operate all landfill equipment.
Landfill Clerk Attendant	Logs all incoming traffic and directs traffic to area of site where disposal is to be accomplished.
Laborer	Responsible for keeping the site clean and help as required.

The present facility has the required certification operators as required by the Louisiana Administrative Code, Title 46, Part XXIII. Operator Certificates will be displayed at the facility. The Police Jury will notify the Board of Certification and training for Solid Waste Disposal System Operators and the Solid Waste Division within 30 days of any changes in the employment status of certified operators. This facility does not meet the criteria of LAC 33:VII, 305.D. The facility presently has two class A operators.

- c. maximum days of operation per week and per facility operating day (maximum hours of operation within a 24-hour period).

Answer: The landfill is open 6 days per week and is open a maximum of 12 hours per day. Operating hours and open hours coincide.

Monday - Friday 7:00 AM to 5:00 PM**

** 7:00 PM during daylight savings time

Saturday 8:00 AM to 4:00 PM (year round)

Holiday schedules will vary from year to year.

2. Administrative procedures for Type II facilities shall include the number of facility operators certified by the Louisiana Solid Waste Operator Certification and Training Program (R.S. 37:3151 et seq.).

Answer: This section does not apply to this Type III permit.

H. Facility Operational Plans.

1. The following information on operational plans is required for all facilities:
- a. types of waste (including chemical, physical, and biological characteristics of industrial wastes generated on-site), maximum quantities of wastes per year, and sources of waste to be processed or disposed of at the facility;

Answer: The construction debris landfill area will accept construction debris from area contractors as well as non-industrial wastes from area industries, private and commercial haulers. The C/D debris site will also accept woodwaste and yardwaste as defined in LAC 33:VII.115. Based upon historical volumes the estimated average tons per day (308 operating days per year) for construction and demolition debris is 7.8 tons per day and the estimated average tons per day

for yardwaste and woodwaste is 4.7 tons per day. See Appendix D, "Volume Calculations", for population and quantity projections.

Non-industrial waste from area industries consists primarily of construction debris from on-site construction activities on an industrial site. The site also takes blasting sand from one area industry. This blasting sand has been approved by DEQ as an allowable waste for this type III facility.

This facility does not permit disposal of hazardous waste, liquid waste, infectious waste, residential solid waste, industrial solid waste, commercial solid waste, friable asbestos, and putrescible waste as defined in Section 115. Definitions of the Environmental Regulatory Code.

b. waste-handling procedures from entry to final disposition, which could include shipment of recovered materials to a user;

Answer: i. All incoming vehicles are stopped at entrance scales and weighed. The type of incoming waste is determined and the driver is directed to the debris area if applicable.

ii. After receiving disposal location directions from the landfill attendant at the entrance, the vehicle proceeds to the proper disposal area. On site roadway signs facilitate the directions.

iii. The incoming vehicle will enter the designated area & unload as directed by signs and landfill attendants directions. Wastes shall be dumped in the smallest area practical and will be compacted daily. The wastes will be covered with silty clays a minimum of twelve (12) inches thick every thirty (30) days.

iv. Open burning will not be practiced. Should a fire start procedures will be initiated immediately to control and to extinguish it.

v. Unapproved salvaging shall be prohibited and prevented.

vi. Scavenging will not be permitted. The site is fenced to discourage off-hours scavenging. Daily compaction and cover applied every 30 days

also discourages scavenging. Landfill employees are instructed to prohibit scavenging.

- c. minimum equipment to be furnished at the facility;

Answer: Table 3 shows the equipment required to operate the facility.

TABLE 3 - OPERATING EQUIPMENT

EQUIPMENT EQUIVALENT	FUNCTION
Caterpillar D7G bulldozer	Spread and compact C/D debris, excavation, and biweekly cover.
Caterpillar 613 self-elevating scraper	Biweekly cover, cap areas, stockpile and excavation.
Ford Tractor 3910 with bushhog, disk and seeder-fertilizer and shop made cultipacker	Cut grass, prepare areas for seeding and fertilizer spreader.

- d. plan to segregate wastes, if applicable;

Answer: Waste entering the landfill is segregated into three categories: wood waste, municipal solid waste, and construction debris. Only construction debris waste is disposed of in the C&D Landfill.

Under a separate permit, Crochet Equipment Company, Inc. operates an air curtain destructor at the landfill site. This air curtain destructor disposes of wood waste which greatly reduces the volume of waste to be disposed of in the construction debris landfill. Also, the Lincoln Parish Police Jury operates a municipal solid waste pick-up station. This area accepts municipal solid waste for transfer to a municipal solid waste landfill.

Loads of waste are identified by the scale house attendant who is a certified operator with a Class B

license. The attendant directs the driver to the appropriate area and roadway signs facilitate the directions. Landfill employees at the appropriate areas verify that the proper waste is unloaded at the proper area. Any hazardous, unauthorized, or unpermitted waste found is not permitted to be unloaded and is removed from the site by the waste carrier.

Debris waste will be dumped in the smallest area practical and will be compacted daily. The wastes will be covered with silty clays a minimum of twelve (12) inches thick every thirty (30) days.

- e. procedures planned in case of breakdowns, inclement weather, and other abnormal conditions (including detailed plans for wet-weather access and operations);

Answer: In case of breakdown of equipment, Table 4 illustrates backup equipment provisions.

TABLE 4 - LIST OF BACKUP EQUIPMENT

ITEM	EQUIPMENT	BACKUP
i.	Landfill Bulldozer	Police Jury Highway Department Equipment or Area Contractor
ii.	Landfill Scraper	Police Jury Highway Department Equipment or Area Contractor
iii.	Ford Tractor	Police Jury Highway Department Equipment or Area Contractor

The Solid Waste Division of the Police Jury has a continuing arrangement with the Road Division for equipment rental and repair. The Road Division performs regularly scheduled maintenance and major maintenance on landfill equipment.

All-weather roads will be maintained into each disposal area. A hard surface, on site feeder road will be maintained as shown on the Site Plan in Appendix F. Cover material will be stockpiled for use during extended wet weather periods.

- f. procedures, equipment, and contingency plans for protecting employees and the general public from accidents, fires, explosions, etc., and provisions for emergency care

should an accident occur (including proximity to a hospital, fire and emergency services, and training programs); and

Answer: Lincoln Parish has an Emergency 911 system. In an emergency the single 911 phone number can be dialed from the scale house office to summons help from the Lincoln Parish Fire Protection District No. 1 fire department, the City of Ruston Fire Department, public ambulance and paramedic service, and/or the Sheriff's department. The fire departments will answer calls to the landfill per Figures A-8 and A-9. The landfill office also has two-way radio communication with Parish Vehicles and the Police Jury Office. The radio service is available for summoning emergency help also. The ambulance, paramedics and main Fire station are located approximately 6 miles from the landfill. The Lincoln Parish Fire Protection District No. 1 has at least two stations within six miles of the landfill site.

Lincoln General Hospital is the closest hospital to the landfill. The hospital is approximately 10 miles from the landfill.

In event of a major fire or explosion, further non-employee entrance to the landfill will be curtailed. Small fires within building facilities or on landfill equipment will be extinguished with portable fire extinguishers. Small fires within open landfill areas will be extinguished by smothering with cover material.

The site does maintain a source of water supply through a 3" water main connected to an area water system and has two 2" fire truck fill-up points.

i. Emergency Procedure Plan

(a) Fire or Explosion Emergency - **DIAL 911**

- (1) Request help from the Ruston Fire Department and Lincoln Parish Fire Protection District No.1 and the Sheriff's Department.
- (2) Man gate to prohibit further public access.
- (3) Clear area of all non-authorized personnel.
- (4) Use on-site fire extinguishers as

necessary.

(5) Call Police Jury Office 513-6200

(b) Accident - **DIAL 911**

(1) Request ambulance service and help from the Sheriff's department.

(2) Follow proper training procedures on victim

(3) Call Police Jury Office 513-6200

(c) Other Emergencies - **DIAL 911**

(1) Request help from the Sheriff's Department.

(2) Call Police Jury Office 513-6200

(d) Direct Dial Emergency Numbers

(1) Lincoln Parish Fire Protection District
No. 1 (office) 255-1055

(2) City of Ruston Fire Department
(office) 255-4762

(3) Ambulance/Paramedic Service
(office) 251-8628

(4) Sheriff's Office 251-5111

ii. Training Program

(a) The Police Jury presently has a training program for the job description of Operator. This program, not formally recorded, involves on the job training under the supervision of the Landfill Superintendent for all operators of heavy equipment and truck drivers.

(b) The Police Jury requires on the job training furnished by the manufacturer's representative, for operators of all newly purchased heavy equipment.

(c) The Police Jury will institute a periodic meeting program with landfill employees,

under the direction of the Landfill Superintendent, for the purposes of discussing operating procedures, safety measures and emergency procedures. The meetings will be conducted a minimum of once per year.

g. provisions for controlling vectors, dust, litter, and odors.

Answer: This landfill has never experienced significant vector problems. Nevertheless, regular policing of the site to clean the area will take place. Also, the waste dumped shall be compacted daily and covered at least every thirty (30) days with soil a minimum of twelve (12) inches thick.

2. The following information on operational plans is required for Type I and II facilities:

Answer: This section does not apply to this Type III permit.

3. The following information on operational plans is required for Type I and II landfills:

Answer: This section does not apply to this Type III permit.

4. The following information on operational plans is required for Type I-A and II-A incinerator waste-handling facilities and refuse-derived energy facilities:

Answer: This section does not apply to this Type III permit.

5. The following information on operational plans is required for Type I-A and II-A refuse-derived fuel facilities and Type III separation and composting facilities:

Answer: This section does not apply to this Type III permit.

6. The operational plans for Type I-A and II-A refuse-derived fuel facilities and Type III separation and composting facilities must include a description of marketing procedures and control.

Answer: This section does not apply to this Type III permit.

7. The operational plans for Type I and II facilities receiving waste with a potential to produce gases must include a comprehensive air monitoring plan.

Answer: This section does not apply to this Type III permit.

I. Implementation Plan.

1. The implementation plans for all facilities must include the following:
 - a. a construction schedule for existing facilities which shall include beginning and ending time-frames and time-frames for the installation of all major features such as monitoring wells and liners. (Time-frames must be specified in days, with day one being the date of standard permit issuance); and

Answer: All major features of the C/D landfill have been installed with the exception of each trench and the barrier levees.

As the Trench method is being used for landfilling, the trenches are cut as needed. Typically, only one trench is open at a time. As the trenches are filled, the remaining excavated material will be stockpiled for use in constructing the barrier levees required for the Area method and also will be used for cover material when landfilling by the Area method.

The Trench method of landfilling is expected to be used for approximately four and a half (4½) years. (See Appendix D). During this time period, the barrier levee will be constructed as material is excavated. The levee will be completed before landfilling by the Area method is used.

The barrier levees will be constructed using the soil material that is to be excavated from the trenches and therefore construction of the levees will be done while landfilling by the Trench method.

The ditches required to prevent surface runoff from the open trenches will be constructed as each trench is cut and therefore will move as trenches are filled and new trenches are cut. These ditches will direct the runoff to the northwest drain along the C/D area.

- b. details on phased implementation if any proposed facility is to be constructed in phases.

Answer: Drainage controls are the only features to be constructed. The drainage ditches for the trenches will be constructed as each trench is cut. The barrier levees will be constructed with the excavated material from the trenches and therefore will be constructed

during the life of the trenches but before the Area method of landfilling is utilized.

2. The implementation plans for Type I and II facilities must include a plan for closing and upgrading existing operating areas if the application is for expansion of a facility or construction of a replacement facility.

Answer: This section does not apply to this Type III permit.

J. Facility Closure.

1. The closure plan for all facilities must include the following:

- a. the date of final closure;

Answer: Estimated date of closure for the Construction Debris area is during the year 2010.

- b. the method to be used and steps necessary for closing the facility; and

Answer: i. Notification of Intent to Close a Facility. The Lincoln Parish Police Jury will notify the administrative authority in writing at least 90 days before closure or intent to close, seal, or abandon the permitted facility and will provide the following information:

- (a) date of planned closure;

- (b) changes, if any, requested in the approved closure plan; and

- (c) closure schedule and estimated cost

- ii. Preclosure Requirements

- (a) Final cover shall be applied within 30 days after final grades are reached in each unit of a facility. This deadline may be extended by the administrative authority if necessary due to inclement weather or other circumstances.

- (b) Standing water shall be solidified or removed.

- (c) The run-off diversion system shall be maintained until the final cover is installed.
- (d) The run-off diversion system shall be maintained and modified to prevent overflow of the landfill to adjoining areas.
- (e) Insect and rodent inspection is required to be documented before installation of final cover, and extermination measures must be provided, if required, according to the facility inspection.
- (f) Final machine compacting and grading shall be completed before capping.

iii. Closure Requirements

(a) Final Cover

(i) Final cover shall consist of a minimum of 24 inches of silty clays and six inches of topsoil cover for supporting vegetative growth; however, other covers that provide a more practical answer and satisfy the purposes of minimizing fire hazards, odors, vector food and harborage, and infiltration of precipitation, as well as discouraging scavenging and limiting erosion, may be submitted for approval by the administrative authority.

(ii) The side slope should be no steeper than 3(H):1(V) and must have a minimum of a four percent slope on the top of the final cap.

(iii) A combination of clay and synthetic material approved by the administrative authority may also be used as a final cover.

- (b) After a closure inspection and approval, the permit holder shall plant a ground cover to prevent erosion and to return the facility location to a more natural appearance.
- (c) The permit holder shall update the parish mortgage and conveyance records by entering the specific location of the facility and

specifying that the property was used for the disposal of solid waste. The document shall identify the name and address of the person with knowledge of the contents of the facility. The facility shall provide the Solid Waste Division with a true copy of the document filed and certified by the parish clerk of court.

iv Upon determination by the administrative authority that a facility has a completed closure in accordance with an approved plan, the administrative authority may release the closure fund to the permit holder.

c. the estimated cost of closure of the facility, based on the cost of hiring a third party to close the facility at the point in the facility's operating life when the extent and manner of its operation would make closure the most expensive.

Answer: The cost of closure is based on the final quantities after the full life of the C/D landfill. The volumes used can be found in Appendix D, "Volume Calculations". The unit costs were estimated using a third party contractor and the volume of cap required at the end of useful life of the landfill which should be a worst case scenario. The acreage used for cost calculation is 8 acres. The estimated costs for closure are shown below in Table 5.

TABLE 5 - CLOSURE COST

ITEM	DESCRIPTION	QUANTITY/ UNIT	UNIT COST	TOTAL COST
CONSTRUCTION COST				
1	2' SILTY CLAY CAP	34,600 C.Y.	\$ 7.82	\$270,572
2	6" TOPSOIL	6,700 C.Y.	19.55	130,985
3	SEEDING (33 LBS./ACRE)	264 LBS.	13.00	3,432
4	FERTILIZING (615 LBS./ACRE)	4,920 LBS.	0.65	3,198
5	LIME (2 TONS/ACRE) BS./ACRE)	16 TONS	52.50	840
SUBTOTAL CONSTRUCTION COST				\$409,027
ENGINEERING & SURVEYING COST				
5	ENGINEERING	1 L.S.	6,500.00	6,500
6	SURVEY-EXISTING CONTOUR	1 L.S.	3,300.00	3,300
7	SURVEY-FINAL CONTOUR	1 L.S.	3,300.00	3,300
SUBTOTAL ENGINEERING & CONSTRUCTION				\$422,127
CONTINGENCY ($\pm 10\%$)				41,873
TOTAL CLOSURE COST				\$464,000

2. The closure plan for Type I and II landfills and surface impoundments must include:

Answer: This section does not apply to this Type III permit.

3. The closure plan for all Type I and II facilities and Type III woodwaste and construction/demolition debris facilities shall include the following:

- a. the sequence of final closure of each unit of the facility, as applicable;

Answer: i. Submit the Notification of Intent to Close a Facility to the administrative authority at least 90 days prior to closure or intent to close, seal or abandon any individual units within a facility. The notification will include the date of planned closure, any changes to the approved closure plan and a closure schedule and estimated cost.

- ii. Complete the preclosure requirements discussed

in 33:VII.521.J.1.b.ii.

iii. Complete the closure requirements discussed in 33:VIII.521.J.1.b.iii.

b. a drawing showing final contours of the facility; and

Answer: See Appendix F, Figure F-5.

c. a copy of the document that will be filed upon closure of the facility with the official parish recordkeeper indicating the location and use of the property for solid waste disposal, unless the closure plan specifies a clean closure.

Answer: See Appendix A, Figure A-7.

K. Facility Post-closure.

1. The post-closure plan for all facilities must include the following:

a. specification of the long-term use of the facility after closure, as anticipated; and

Answer: Present long-term use plans are for reforestation and/or open land with ground cover.

b. the cost of conducting post closure of the facility, based on the estimated cost of hiring a third party to conduct post-closure activities in accordance with the closure plan.

Answer: i. Requirements for Post-closure are as follows:

(a) The time-frame of post-closure care may be lengthened, if necessary, to protect human health or the environment.

(b) The integrity of the grade and cap must be maintained for no less than three years after the date of administrative authority's approval of the closure of the facility.

(c) Annual reports concerning the integrity of the cap shall be submitted to the administrative authority for a period of three years after closure.

ii. The estimated cost for post-closure care is shown below in Table 6.

TABLE 6 - POST-CLOSURE COST

ITEM	DESCRIPTION	QUANTITY/ UNIT	UNIT COST	TOTAL COST
1	GRADE & CAP MAINTENANCE	3 YRS.	\$7,833	\$23,500
2	ANNUAL CAP INTEGRITY REPORTS	3 YRS.	\$1,300	\$3,900
TOTAL POST-CLOSURE COST				\$27,400

2. The post-closure plan for Type I and II facilities must include the following:

Answer: This section does not apply to this Type III permit.

- L. Financial Responsibility. A section documenting financial responsibility according to LAC 33:VII.727 which contains the following information, must be included for all facilities:

1. the name and address of the person who currently owns the land and the name and address of the person who will own the land if the standard permit is granted (if different from the permit holder, provide a copy of the lease or document which evidences the permit holder's authority to occupy the property); or

Answer: The name and address of the current land owner and person who will own the land if the standard permit is granted is the same and is as follows:

Lincoln Parish Police Jury
P.O. Box 979
Ruston, La. 71273

2. the name of the agency or other public body that is requesting the standard permit; or, if the agency is a public corporation, its published annual report; or, if otherwise, the names of the principal owners, stockholders, general partners, or officers;

Answer: The public body requesting the standard permit is the:

Lincoln Parish Police Jury
P.O. Box 979
Ruston, La. 71273

3. evidence of liability coverage, including:
 - a. personal injury, employees, and the public (coverage, carriers, and any exclusions or limitations);

- b. property damage (coverage and carrier);
- c. environmental risks; and

Answer: Evidence of coverage is provided in Appendix E in the form of certificates of insurance. The wording of the certificate of insurance is identical to the wording of 727.A.1.d.i.(e) except that the instructions in brackets have been replaced with the relevant information and the brackets deleted. Additional information about this coverage as required by Section 727 is also provided in the coverage summary in Appendix E.

- 4. evidence of a financial assurance mechanism for closure and/or post-closure care.

Answer: In accordance with 727.A.2.j (Local Government Financial Test), please note the following:

i. Financial Component

- a. The owner meets the following conditions

- (i) The owner has a rating of Aaa by *Moody's* on its outstanding general obligation bonds. A letter from *Moody's* Investors Service is included in Appendix E.

- (ii) Based on the owner's most recent audited annual financial statement, the ratio of cash plus marketable securities to total expenditures is 1.71 (greater than the required 0.05). Since the owner has no debt service obligations secured by solid waste funds, the ratio of annual debt service to total expenditures is not applicable. A letter from the Police Jury Treasurer and a schedule showing these calculations is provided in Appendix E.

- b. The owner prepares its financial statements in conformity with *Generally Accepted Accounting Principles* for governments and has its financial statements audited by an independent certified public accountant (or appropriate state agency).

- c. The local government currently

- (i) is *not* in default on any outstanding general obligation bonds;

- (ii) does *not* have any outstanding general obligation bonds rated lower than Baa as issued

by *Moody's* or BBB as issued by *Standard and Poor's*;

(iii) has not operated at a deficit equal to five percent or more of total annual revenue in each of the past two fiscal years;

(iv) has not received an adverse opinion, disclaimer of opinion, or other qualified opinion from the independent certified public accountant (or appropriate state agency) auditing the financial statement.

ii. Public Notice Component

The local government owner agrees to place a reference to the closure and post-closure care costs assured through the financial test into its next comprehensive annual financial report.

iii. Recordkeeping and Reporting Requirements

a. The local government owner agrees to place the following items in the facilities operating record

(i) a letter signed by the local government's chief financial officer that lists all the current cost estimates covered by the financial test. This letter will provide evidence and certify that the local government meets the above requirements of the Local Government Financial Test. A copy of this letter is provided in Appendix E.

(ii) the local government's independently audited year-end financial statements for the latest fiscal year

(iii) a report to the local government from the local government's independent certified public accountant or the appropriate state agency based on performing an agreed upon procedures engagement relative to the financial ratios required by the above Local Government Financial Test.

iv. Calculation of Costs to be Assured.

Since the owner satisfies the requirements of Section 727.A.2.j.i-iii, it may assure closure and post-closure costs that equal up to 43% of the local government's total annual revenue. The estimate for

closure and post-closure costs total \$491,400. The total annual revenue in the solid waste funds for the most recent audited year totaled \$3,810,354. Therefore, the owner is assuring less than 13% of the total annual revenue - far less than the 43% allowed maximum.

M. Special Requirements.

The administrative authority may require additional information for special processes or systems and for supplementary environmental analysis.

Answer: No special requirements have been requested.

III. LAC 33:VII.523 Additional Supplementary Information

HISTORICAL BACKGROUND

This is an existing site for which the Lincoln Parish Police Jury was issued an order to upgrade by DEQ dated February 1, 1994. Subsequent to the order to upgrade, the Police Jury submitted an application on June 3, 1994. On May 7, 1999, DEQ issued a Notice of Deficiency (NOD) for the Permit Application. On June 14, 1999, DEQ received a response to these NODS. By letter dated September 29, 2002, DEQ directed further comment regarding IT information. The following gives historical information about this site.

In the early 1970's, the Police Jury and municipalities of Lincoln parish began a serious effort towards solving the problems of solid waste collection and disposal in Lincoln Parish. At that time there were four publicly run disposal areas in Lincoln Parish. All were classified as open dumps, and were located near the communities of Dubach, Grambling, Ruston and Simsboro. In addition there were numerous promiscuous disposal sites randomly used by people of the Parish.

By report in June, 1972, the Coordinating and Development Council of Northwest Louisiana (CDCNW) recommended that the Parish proceed towards development of a parish-wide rural collection system coupled with a single sanitary landfill to be used by all governmental collection entities. In Phase II of this continuing report, CDCNW in February, 1973, established the feasibility of a parish-wide solid waste management system for Lincoln Parish which incorporated a centrally located sanitary landfill.

In early 1973, a parish-wide coordinating committee, composed of representatives of the Police Jury, School board and all parish municipalities, was formed. In September, 1974, this Lincoln Parish Solid Waste Management Committee published a Solid Waste management Plan for Lincoln Parish. This plan proposed a centrally located sanitary landfill, operation of the landfill by the Police Jury with costs prorated on a population basis between municipalities and the parish, establishment of a rural collection system outside of municipalities to be operated by the Police Jury with each municipality being responsible for collection within its corporate limits, and financing of disposal by a ½ cent parish wide sales tax with excess funds to be distributed to governing bodies for use in allaying collection expenses.

After passage of a ½ cent sales tax in 1974, land was purchased and the Lincoln Parish Sanitary Landfill began receiving solid waste in February 1976. Since its inception, the landfill has served as a model facility. Its personnel are technically trained; it has ample financing and professional management.

The site is located approximately 5.2 miles north of the City of Ruston corporate limits adjacent to Parish Road No. 503,

approximately one mile from Louisiana Highway 33. The site consists of a parish owned 160.1 acres in the S ½ of Section 20, Township 19 North, Range 2 West. The site is fenced. Electrical service is by Claiborne Electric Cooperative with water service by the Greater Ward One Waterworks District.

All vehicles enter the site from the same gate and are weighed in and out at a permanent pit-type scale and scale house. Near the entrance is a 2250 square foot storage metal building. After weigh in, vehicles are directed to one of four site permitted facilities. Putrescible waste is directed to a pick-up station where it is off loaded into eighteen wheeler trailers and transferred by contract to an area permitted landfill. Allowable wood waste is directed to an air curtain destructor which is operated under permit by a contractor. Remaining construction debris and wood waste which cannot be put into the air curtain destructor is directed to the construction debris landfill which is the subject of this permit. The construction debris landfill has been in operation since 1984. The parish also operates a cardboard recycling site and recycled cardboard is temporarily stored in the 2250 square foot building prior to sale.

As a result of the foresightedness of the Lincoln Parish Leadership, today Lincoln Parish enjoys the benefits of a well planned and financed solid waste disposal system which is accepted by the citizens of Lincoln Parish.

The following supplementary information is required for all solid waste processing and disposal facilities. All responses and exhibits must be identified in the following sequence to facilitate the evaluation:

- A. A discussion demonstrating that the potential and real adverse environmental effects of the facility have been avoided to the maximum extent possible;**

RESPONSE Possible environmental effects include contaminated stormwater runoff from water which has been in contact with unauthorized solid waste being unloaded into the area. This possibility is considered extremely unlikely because of full-time employee monitoring of waste loads. The C/D site proposed for this permit has been continuously operating as a C/D landfill for more than 19 years. There have never been any significant operating problems associated with this C/D landfill during its operation at its present location.

Surface water contamination is a possibility. However, run-off is into a natural drain without perennial flow. Thus, any contaminated run-off from rainfall which has been contaminated by exposure to small quantities of unauthorized materials would be

very diluted and such dilution would mitigate potential contamination problems. Soils in the landfill area are not conducive to groundwater contamination. The potable water aquifer in this area (Sparta Sand) in general is overlain by approximately 400 feet of clayey soil. The shallow phreatic groundwater has natural flow generally from hilltops to lower elevations to eventual exposure in natural drains. The bottom of the landfill area is generally located 3 feet above phreatic groundwater level. On-site soils are not conducive to vertical contamination and materials put into the landfill are carefully monitored.

This landfill is located in a rural area of the Parish approximately 6 miles north of Ruston. Run-off is to the west into a wooded area. If the remote possibility of contaminated run-off occurs, there might be exposure of this water to wildlife and/or plant life while the diluted water is in the natural drain. The site has been in continuous operation for approximately 19 years with no known real adverse environmental effects.

This landfill is being permitted under the Louisiana Solid Waste Rules and Regulations which provide for environmental protection. The following is a list of facts and methodology of the permit application which substantiates that adverse environmental effects have been avoided.

- a) The C/D site proposed for this permit has been operating as a C/D landfill for more than 19 years. There have never been any significant operating problems associated with the C/D landfill during its operation at its present location.
- b) The Site contains a shallow phreatic groundwater level with natural flow generally from hilltops to lower elevations. The bottom of the trenches used for landfilling are generally located 3 feet above the water level.
- c) All run-off from the area is directed to a single point discharge for which a NPDES Permit Application and a DEQ Water Quality Permit Application has been submitted.
- d) Cover material is stock piled in accessible areas for 30-day cover during inclement weather.
- e) Sufficient equipment and experienced and trained

personnel are at the site to assure proper operation and control.

As long as the monitoring reports for the DEQ Water Quality Permit show no adverse effect on the environment, then no greater measures of protection are required.

B. A Cost-benefit analysis demonstrating that the social and economic benefits of the facility outweigh the environmental impact costs;

RESPONSE: The landfill application is for an existing facility and contains an upgrade of existing conditions to avoid adverse environmental impact. The social benefits of the site have been established through public acceptance of its location over the past twenty six years. Economic benefits associated with maintaining existing collection schemes are thought to exceed the economic costs of moving to another more remote area.

The cost benefits of an environmentally safe landfill are a necessary consideration for any site. The major consideration is to minimize social and economic off-site costs while constructing an environmentally sound landfill meeting the requirements of the Louisiana Solid Waste Rules and Regulations.

The cost benefits of maintaining an existing facility that is acceptable to the public and has no history of adverse environmental impact obviously outweigh the costs of constructing a new facility. Any new facility would most likely be in a more remote part of the parish which would negatively impact on transportation and collection routes. Operation of a permitted C/D landfill at another Parish location should have the same effects on water, soil, flora, and fauna as operation of the present facility since groundwater, soil type and off-site discharge permitting would be addressed in a proper operation.

The existing 19 year old C/D facility has been socially accepted. The existing economic cost has been provided. Existing traffic patterns, dust and litter problems have been minimized by long term usage and acceptance. The facility is not within five miles of a school and, accordingly, safety of students is not an issue. The facility does contribute to the employment of solid waste departments for the Police Jury and all incorporated towns in Lincoln Parish. There are no property tax

revenues from this publicly owned and operated facility.

The current estimate by the Parish Treasurer to operate the pick-up station is \$29.69 per ton. During the last fiscal year, 33,787 tons of construction debris and wood work were disposed of in the landfill. Total estimated cost of the landfill operation is \$186,919 per year which results in a cost per ton to landfill of approximately \$5.53 per ton. This savings of \$24.16 per ton coupled with social acceptance and convenience and a site history of no adverse effect on the environment obviously leads to a conclusion that the present landfiling operation needs to be continued.

C. A discussion and description of possible alternative projects which would offer more protection to the environment without unduly curtailing non-environmental benefits;

RESPONSE The Parish has considered a static composting process for the wood waste portion of input solid waste as well as transporting all waste to an out-of-parish permitted landfill. Both of these alternatives were rejected because of initial and operating costs as well as burden of regulation.

The Parish has implemented two alternatives. Allowable wood waste is disposed of in a permitted on-site air curtain destructor and cardboard is baled and recycled.

Other possible alternative projects which are available but not implemented include processing to beneficial use such as pellet manufacture of wood wastes for boiler fuel. Not considered because volume of waste makes economics prohibitive. Also complete incineration of wood wastes. Not considered because volume of waste make it economically prohibitive.

Further facility modification to maximum environmental protection includes installation of synthetic liners to absolutely minimize leakage downward to ground water. However, soils available on site meet the requirements of DEQ for satisfactory environmental protection.

D. A discussion of possible alternative sites which would offer more protection to the environment without unduly curtailing non-environmental benefits; and

RESPONSE: A traditional alternative site analysis is not

required because this is an existing facility. However, this is the best site for the reasons below.

The depth of excavation was limited in order to assure proper soil liner conditions. This resulted in reduced air space for landfilling.

This site is not a wetland, a flood plane, nor a historical/archaeological sensitive area.

The site is not flood prone. See FEMA flood insurance map.

The Sparta Aquifer, which underlies this site, is overlain with an average thickness of 400' of clayey material. The depth of excavation is above phreatic groundwater and bottom soils meet DEQ permeability requirements for this type landfill.

Air quality is protected since this is non putrescible solid waste. Accordingly, there are no significant releases to affect air quality.

Surface water quality is protected since storm water discharge is point released under a DEQ Water Quality Discharge Permit.

This site is approximately 30 miles south of the Arkansas State Line and is considered to have minimal hurricane damage liability.

The site is located in rural Lincoln Parish which does not have a zoning ordinance. Land to the north and east is wooded. The west side is approximately one-half wooded and one-half pasture land with an asphalt plant. The south side is owned by the Police Jury for approximately one-half mile to State Highway 33.

The facility has little, if any impact on adjacent landowners. The north, east and part of the west side owners are primarily tree farms. The other west side owner purchased the land after the landfill site was in operation. The land to the south, owned by the Police Jury, is presently occupied by a public fire fighting facility and a Parish owned equine center.

There are no known historical or cultured sites in the nearby area.

There are no known potential health risks to nearby residents. There are no schools or hospitals within

5 miles of the site. There are individual residences to the southwest of the property but all were built after the site became a landfill.

This is a non-putrescible solid waste site and has little, if any, odor emission. The site does not operate at night. The site has been in operation for over 19 years with no significant noise complaints.

This site is on property purchased in the early 1970's by the Police Jury for purposes of a Parish Landfill. It is a part of the tract of land of a closed Type II landfill and an operating pick-up station. In the early 1970's, a study was conducted to choose the best place in Lincoln Parish for a landfill. This tract of land was selected by that study. Alternative sites were considered over 25 years ago before deciding on this site.

The site election process was performed over 25 years ago and was of considerable detail.

E. A discussion and description of the mitigating measures which would offer more protection to the environment than the facility, as proposed, without unduly curtailing non-environmental benefits.

RESPONSE: It has been demonstrated that, in general, the most efficient and environmentally desirable way to dispose of small solid waste streams in a rural area is by landfilling. By operating under the Louisiana Solid Waste Rules and Regulations, a permitted landfill is the most feasible and practical means for protection of the environment.

As noted in the discussion above, the alternative methods on this site which include a pick-up station, an air curtain destructor and recycling, demonstrate the Parish's commitment to efficient solid waste disposal in an environmentally sound way.

The site is under the direction of a certified operator with written rules of operation approved by DEQ. Furthermore, DEQ employs inspectors to inspect the site on a regular basis to assure that the environment is protected.

Nothing more within the financial capability of the Parish can be done to decrease or prevent environmental or human health effects.